



AVIATION WEATHER: Opportunities for Implementation

July 25-26, 2000

Radar Product Central Collection/Distribution Service (RPCCDS)

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RPCCDS Web Page: <http://www.nws.noaa.gov/oso/rpccds.html>

NOAAPORT Web Page: <http://www.nws.noaa.gov/noaaport/html/noaaport.shtml>



PURPOSE

Describe plans for the National Weather Service (NWS) central collection and distribution of radar products.



NEXRAD Information Dissemination Service

- P NIDS provided radar products to users since 1992.**
- P NIDS Vendors**
 - Kavouras**
 - WSI**
 - Unisys**



TERMINATION OF NIDS

- P NIDS will be replaced with the Radar Product Central Collection/Distribution Service (RPCCDS) and the NOAAPORT Satellite Broadcast.**
- P The NIDS agreements expire December 31, 2000.**
- P Option to extend after December 31, 2000, if the RPCCDS is not operational.**



RADAR PRODUCT CENTRAL COLLECTION/DISTRIBUTION SERVICE



CENTRAL COLLECTION

- P Up to 33 products from each WSR-88D will be collected.**
- P Product set collected is determined by NCEP requirement and will include at a minimum 19 products (18 NIDS products plus the Radar Coded Message).**
- P All products to a NWS central radar server and 15 products to NOAAPORT.**
- P Central radar server will multicast all products to users and the NWS Telecommunication Gateway (NWSTG) FTP server. Users may access products in anonymous FTP format from that server.**



RADAR PRODUCT CENTRAL COLLECTION/DISTRIBUTION SERVICE



ACCESS TO WSR-88D PRODUCTS FROM THE MULTICAST SERVER

- P Central radar server will multicast products using open and closed group models. Open group will be available to any user; the closed group, initially, only to Government users.**

- P Users access through dedicated T1 line.**

- P All centrally collected products available. Users pay incremental costs like the current Family of Services.**



RADAR PRODUCT CENTRAL COLLECTION/DISTRIBUTION SERVICE



ACCESS TO WSR-88D PRODUCTS FROM THE FTP SERVER

- P Users will be able to access products in anonymous FTP format. Access can be through a dedicated line or through Internet.**
- P Users with dedicated line access will be required to sign agreement with the NWS and pay associated fees.**
- P No agreement or fees apply to Internet access.**



RADAR PRODUCT CENTRAL COLLECTION/DISTRIBUTION SERVICE

OPERATIONAL DEMONSTRATION

- P A 30 day operational demonstration will be conducted.**
- NWS Timeliness Requirement - Products available from the central radar server or FTP server's database in one minute or less for 95% percent of products.*
 - NWS Reliability Requirement - 95% of the products generated by the RPG available from the central radar server and FTP server.*
- P If participating NIDS vendor timeliness data are available, these will be compared to the performance of RPCCDS.**